

Table 1.

Depth of damage, μm	Wavelength range, μm		NA range		Pulse width range, s
	broad	preferred	broad	preferred	
50-200	400 - 1880 & 2050-2350	800-1850 & 2100-2300	<3	0.2 - 1	<2
200-300	500-1880 & 2050-2350	800-1850 & 2150-2300	<3	0.2 - 1	<10
300-500	600-1380 & 1520-1850 & 2150-2260	900-1300 & 1550-1820 & 2150-2250	<2	0.2 - 1	<60
500-1000	600-1370 & 1600-1820	900-1250 & 1650-1750	<2	0.2 - 0.6	<120
1000-2000	670-1350 & 1650-1780	900-1230	<1.5	0.2 - 0.6	<120
2000-5000	800-1300	1050-1220	<1	0.2 - 0.4	<300

Table 2

Depth of damage, μm	Diameter of damage, μm	Wavelength, μm	NA	Pulse width, ms	Energy, J	Focusing depth, μm
300	50-100	2.2	0.3-0.5	<10	>0.00015	400-600
300	50-100	1.7	0.3-0.5	<10	>0.0007	400-600
300	50-100	1.3	0.3-0.5	<10	>0.003	400-600
300	50-100	1.54	0.3-0.5	<10	>0.0003	400-600
300	50-100	1.208	0.4-1	<10	>0.016	400-600
300	50-200	0.92	0.4-1	<10	>0.15	400-600
1000	50-200	1.7	0.3-0.4	<100	>0.01	1100-2000
1000	50-200	1.54	0.4	<100	>0.008	1100-2000
1000	50-200	1.3	0.4	<100	>0.1	1100-2000
1000	50-200	1.208	0.4	<100	>0.4	1100-2000

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Table 3

Depth of damage, μm	Diameter of damage, μm	Wavelength, μm	NA	Pulse width, ms	Power, W	Focusing depth, μm
500-1000	200-1000	2.2	0.3-0.5	>100	>0.5	600-1500
500-1000	200-1000	1.7	0.3-0.5	>100	>1.5	600-2000
500-1000	200-1000	1.208	0.3-0.6	>3000	>1.0	600-2000
500-1000	400-1200	0.92	0.3-0.6	>3000	>25.0	600-2000
2000-3500	1000-2000	1.208	0.3-0.4	>10000	>1.5	4000-6000

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